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CHAPTER I--FEDERAL ENERGY REGULATORY COMMISSION, DEPARTMENT OF ENERGY

Operation and Maintenance Expense Accounts

500 Operation supervision and engineering.

A. For Major Utilities, this account shall include the cost of labor and expenses incurred in the general supervision and direction of the operation of steam power generating stations. Direct supervision of specific activities, such as fuel handling, boiler room operations, generator operations, etc., shall be charged to the appropriate account. (See operating expense instruction 1.)

B. For Nonmajor Utilities, this account shall include the cost of supervision and labor in the operation of steam power generating stations.

ITEMS (NONMAJOR ONLY)

Boiler Room Labor:

1. Supervising steam production.
2. Operating fuel conveying, storage, weighing and processing equipment within boiler plant.

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3. Operating boiler and boiler auxiliary equipment.
4. Operating boiler feed water purification and treatment equipment.
5. Operating ash collection and disposal equipment located inside the plant.
6. Operating boiler plant electrical equipment.
7. Keeping boiler plant log and records and preparing reports on boiler plant operations.
8. Testing boiler water.

9. Testing, checking, and adjusting meters, gauges and other instruments in boiler plant.

10. Cleaning boiler plant equipment when not incidental to maintenance work.

11. Repacking glands and replacing gauge classes where the work involved is of a minor nature and is performed by regular operating crews. Where the work is of a major character such as that performed on high pressure boilers the item should be considered as maintenance.

Electric Plant Labor:

12. Supervising electric production.

13. Operating turbines, engines, generators and exciters.

14. Operating condensers, circulating water systems and other auxiliary apparatus.

15. Operating generator cooling system.

16. Operating lubrication and oil control system, including oil purification.

17. Operating switchboards, switch gear and electric control and protective equipment.

18. Keeping electric plant log and records and preparing reports on electric plant operations.

19. Testing, checking and adjusting meters, gauges, and other instruments, relays, controls and other equipment in electric plant.

20. Cleaning electric plant equipment when not incidental to maintenance work.

21. Repacking glands and replacing gauge glasses.

Miscellaneous Labor:

22. General clerical and stenographic work at plant.

23. Guarding and patrolling plant and yard.

24. Building service.

25. Care of grounds including snow removal, cutting grass, etc.

26. Miscellaneous labor.

501 Fuel.

A. This account shall include the cost of fuel used in the production of steam for the generation of electricity, including expenses in unloading fuel from the shipping media and handling thereof up to the point where the fuel enters the first boiler plant bunker, hopper, bucket, tank or holder of the boiler-house structure. Records

shall be maintained to show the quantity, B.t.u. content and cost of each type of fuel used.

B. The cost of fuel shall be charged initially to account 151, Fuel Stock (for Nonmajor utilities, appropriate fuel accounts carried under account 154, Plant Materials and Operating Supplies) and cleared to this account on the basis of the fuel used. Fuel handling expenses may be charged to this account as incurred or charged initially to account 152, Fuel Stock Expenses Undistributed (for Nonmajor utilities, an appropriate subaccount of account 154, Plant Materials and Operating Supplies). In the latter event, they shall be cleared to this account on the basis of the fuel used. Respective amounts of fuel stock and fuel stock expenses shall be readily available.

ITEMS

Labor:

1. Supervising purchasing and handling of fuel.
2. All routine fuel analyses.
3. Unloading from shipping facility and putting in storage.
4. Moving of fuel in storage and transferring fuel from one station to another.
5. Handling from storage or shipping facility to first bunker, hopper, bucket, tank or holder of boiler-house structure.
6. Operation of mechanical equipment, such as locomotives, trucks, cars, boats, barges, cranes, etc.

Materials and Expenses:

7. Operating, maintenance and depreciation expenses and ad valorem taxes on utility-owned transportation equipment used to transport fuel from the point of acquisition to the unloading point (Major only).
8. Lease or rental costs of transportation equipment used to transport fuel from the point of acquisition to the unloading point (Major only).
9. Cost of fuel including freight, switching, demurrage and other transportation charges.
10. Excise taxes, insurance, purchasing commissions and similar items.
11. Stores expenses to extent applicable to fuel.
12. Transportation and other expenses in moving fuel in storage.
13. Tools, lubricants and other supplies.
14. Operating supplies for mechanical equipment.

15. Residual disposal expenses less any proceeds from sale of residuals.

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Note: Abnormal fuel handling expenses occasioned by emergency conditions shall be charged to expense as incurred.

502 Steam expenses (Major only).

This account shall include the cost of labor, materials used and expenses incurred in production of steam for electric generation. This includes all expenses of handling and preparing fuel beginning at the point where the fuel enters the first boiler plant bunker, hopper, tank or holder of the boiler-house structure.

ITEMS

Labor:

1. Supervising steam production.
2. Operating fuel conveying, storage weighing and processing equipment within boiler plant.
3. Operating boiler and boiler auxiliary equipment.
4. Operating boiler feed water purification and treatment equipment.
5. Operating ash-collecting and disposal equipment located inside the plant.
6. Operating boiler plant electrical equipment.
7. Keeping boiler plant log and records and preparing reports on boiler plant operation.
8. Testing boiler water.
9. Testing, checking, and adjusting meters, gauges, and other instruments and equipment in boiler plant.
10. Cleaning boiler plant equipment when not incidental to maintenance work.
11. Repacking glands and replacing gauge glasses where the work involved is of a minor nature and is performed by regular operating crews. Where the work is of a major character, such as that performed on high-pressure boilers, the item should be considered as maintenance.

Materials and Expenses:

12. Chemicals and boiler inspection fees.

13. Lubricants.
14. Boiler feed water purchased and pumping supplies.

503 Steam from other sources.

This account shall include the cost of steam purchased, or transferred from another department of the utility or from others under a joint facility operating arrangement, for use in prime movers devoted to the production of electricity.

Note: The records shall be so kept as to show separately for each company from which steam is purchased, the point of delivery, the quantity, the price, and the total charge. When steam is transferred from another department or from others under a joint operating arrangement, the utility shall be prepared to show full details of the cost of producing such steam, the basis of the charge to electric generation and the extent and manner of use by each department or party involved.

504 Steam transferred--Credit.

A. This account shall include credits for expenses of producing steam which are charged to others or to other utility departments under a joint operating arrangement. Include also credits for steam expenses chargeable to other electric accounts outside of the steam generation group. Full details of the basis of determination of the cost of steam transferred shall be maintained.

B. If the charges to others or to other departments of the utility include an amount for depreciation, taxes and return on the joint steam facilities, such portion of the charge shall be credited, in the case of others, to account 454, Rent from Electric Property, and in the case of other departments of the utility, to account 455, Interdepartmental Rents.

505 Electric expenses (Major only).

This account shall include the cost of labor, materials used and expenses incurred in operating prime movers, generators, and their auxiliary apparatus, switch gear and other electric equipment to the points where electricity leaves for conversion for transmission or distribution.

ITEMS

Labor:

1. Supervising electric production.
2. Operating turbines, engines, generators and exciters.
3. Operating condensers, circulating water systems and other auxiliary apparatus.
4. Operating generator cooling system.
5. Operating lubrication and oil control system, including oil purification.
6. Operating switchboards, switch gear and electric control and protective equipment.
7. Keeping electric plant log and records and preparing reports on electric plant operations.
8. Testing, checking and adjusting meters, gauges, and other instruments, relays, controls and other equipment in the electric plant.

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9. Cleaning electric plant equipment when not incidental to maintenance work.
10. Repacking glands and replacing gauge glasses.

Materials and Expenses:

11. Lubricants and control system oils.
12. Generator cooling gases.
13. Circulating water purification supplies.
14. Cooling water purchased.
15. Motor and generator brushes.

506 Miscellaneous steam power expenses (Major only).

This account shall include the cost of labor, materials used and expenses incurred which are not specifically provided for or are not readily assignable to other steam generation operation expense accounts.

ITEMS

Labor:

1. General clerical and stenographic work.

2. Guarding and patrolling plant and yard.
3. Building service.
4. Care of grounds including snow removal, cutting grass, etc.
5. Miscellaneous labor.

Materials and Expenses:

6. General operating supplies, such as tools, gaskets, packing waste, gauge glasses, hose, indicating lamps, record and report forms, etc.
7. First-aid supplies and safety equipment.
8. Employees' service facilities expenses.
9. Building service supplies.
10. Communication service.
11. Miscellaneous office supplies and expenses, printing and stationery.
12. Transportation expenses.
13. Meals, traveling and incidental expenses.
14. Research, development, and demonstration expenses.

507 Rents.

This account shall include all rents of property of others used, occupied or operated in connection with steam power generation. (See operating expense instruction 3.)

508 Operation supplies and expenses (Nonmajor only).

This account shall include the cost of materials used and expenses incurred in the operation of steam power generating stations.

ITEMS

1. Chemicals and boiler inspection fees.
2. Lubricants and control system oils.
3. Boiler feed water purchased and pumping supplies.
4. Generator cooling gases.
5. Circulating water purification supplies.
6. Cooling water purchased.
7. Motor and generator brushes.
8. General operating supplies, such as tools, gaskets, packing waste, gauge glasses, hose, indicating lamps, record and report forms,

etc.

9. First-aid supplies and safety equipment.
10. Employees' service facilities expenses.
11. Building service supplies.
12. Communication service.
13. Miscellaneous office supplies and expenses, printing and stationery.
14. Transportation expenses.
15. Meals, traveling and incidental expenses.

509 Allowances.

This account shall include the cost of allowances expensed concurrent with the monthly emission of sulfur dioxide. (See General Instruction No. 21.)

510 Maintenance supervision and engineering (Major only).

This account shall include the cost of labor and expenses incurred in the general supervision and direction of maintenance of steam generation facilities. Direct field supervision of specific jobs shall be charged to the appropriate maintenance account. (See operating expense instruction 1.)

511 Maintenance of structures (Major only).

This account shall include the cost of labor, materials used and expenses incurred in the maintenance of steam structures, the book cost of which is includible in account 311, Structures and Improvements. (See operating expense instruction 2.)

512 Maintenance of boiler plant (Major only).

A. This account shall include the cost of labor, materials used and expenses incurred in the maintenance of steam plant, the book cost of which is includible in account 312, Boiler Plant Equipment. (See operating expense instruction 2.)

B. For the purpose of making charges hereto and to account 513, Maintenance of Electric Plant, the point at which

steam plant is distinguished from electric plant is defined as follows:

1. Inlet flange of throttle valve on prime mover.
2. Flange of all steam extraction lines on prime mover.
3. Hotwell pump outlet on condensate lines.
4. Inlet flange of all turbine-room auxiliaries.
5. Connection to line side of motor starter for all boiler-plant equipment.

513 Maintenance of electric plant (Major only).

This account shall include the cost of labor, materials used and expenses incurred in the maintenance of electric plant, the book cost of which is includible in account 313, Engines and Engine-Driven Generators, account 314, Turbogenerator Units, and account 315, Accessory Electric Equipment. (See operating expense instruction 2 and paragraph B of account 512.)

514 Maintenance of miscellaneous steam plant (Major only).

This account shall include the cost of labor, materials used and expenses incurred in maintenance of miscellaneous steam generation plant, the book cost of which is includible in account 316, Miscellaneous Power Plant Equipment. (See operating expense instruction 2.)

515 Maintenance of steam production plant (Nonmajor only).

This account shall include the cost of labor, materials used and expenses incurred in the maintenance of steam production plant the book cost of which is includible in plant accounts 311 to 316, inclusive. (See operating expense instruction 2.)

517 Operation supervision and engineering (Major only).

This account shall include the cost of labor and expenses incurred in the general supervision and direction of the operation of nuclear power generating stations. Direct supervision of specific activities, such as fuel handling, reactor operations, generator operations, etc., shall be charged to the appropriate account. (See operating expense instruction 1.)

518 Nuclear fuel expense (Major only).

A. This account shall be debited and account 120.5, Accumulated Provision for Amortization of Nuclear Fuel Assemblies, credited for the amortization of the net cost of nuclear fuel assemblies used in the production of energy. The net cost of nuclear fuel assemblies subject to amortization shall be the cost of nuclear fuel assemblies plus or less the expected net salvage of uranium, plutonium, and other byproducts and unburned fuel. The utility shall adopt the necessary procedures to assure that charges to this account are distributed according to the thermal energy produced in such periods.

B. This account shall also include the costs involved when fuel is leased.

C. This account shall also include the cost of other fuels, used for ancillary steam facilities, including superheat.

D. This account shall be debited or credited as appropriate for significant changes in the amounts estimated as the net salvage value of uranium, plutonium, and other byproducts contained in account 157, Nuclear Materials Held for Sale and the amount realized upon the final disposition of the materials. Significant declines in the estimated realizable value of items carried in account 157 may be recognized at the time of market price declines by charging this account and crediting account 157. When the declining change occurs while the fuel is recorded in account 120.3, Nuclear Fuel Assemblies in Reactor, the effect shall be amortized over the remaining life of the fuel.

519 Coolants and water (Major only).

This account shall include the cost of labor, materials used and expenses incurred for heat transfer materials and water used for steam and cooling purposes.

ITEMS

Labor:

1. Operation of water supply facilities.
2. Handling of coolants and heat transfer materials.

Materials and Expenses:

3. Chemicals.

4. Additions to or refining of, fluids used in reactor systems.
5. Lubricants.
6. Pumping supplies and expenses.

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7. Miscellaneous supplies and expenses.
8. Purchased water.

Note: Do not include in this account water for general station use or the initial charge for coolants, heat transfer or moderator fluids, chemicals or other supplies capitalized.

520 Steam expenses (Major only).

This account shall include the cost of labor, materials used and expenses incurred in production of steam through nuclear processes, and similar expenses for operation of any auxiliary superheat facilities.

ITEMS

Labor:

1. Supervising steam production.
2. Fuel handling including removal, insertion, disassembly and preparation for cooling operations and shipment.
3. Testing instruments and gauges.
4. Health, safety, monitoring and decontamination activities.
5. Waste disposal.
6. Operating steam boilers and auxiliary steam, superheat facilities.

Materials and Expenses:

7. Chemical supplies.
8. Charts, logs, etc.
9. Health, safety, monitoring and decontamination supplies.
10. Boiler inspection fees.
11. Lubricants.

521 Steam from other sources (Major only).

This account shall include the cost of steam purchased or transferred from another department of the utility or from others under a joint facility operating arrangement for use in prime movers devoted to the production of electricity.

Note: The records shall be so kept as to show separately for each company from which steam is purchased, the point of delivery, the quantity, the price, and the total charge. When steam is transferred from another operating department, the utility shall be prepared to show full details of the cost of producing such steam, the basis of the charges to electric generation, and the extent and manner of use by each department involved.

522 Steam transferred--Credit (Major only).

A. This account shall include credits for expenses of producing steam which are charged to others or to other utility departments under a joint operating arrangement. Include also credits for steam expenses chargeable to other electric accounts outside of the steam generation group. Full details of the basis of determination of the cost of steam transferred shall be maintained.

B. If the charges to others or to other departments of the utility include an amount for depreciation, taxes and return on the joint steam facilities, such portion of the charge shall be credited, in the case of others, to account 454, Rent from Electric Property, and in the case of other departments of the utility, to account 455, Interdepartmental Rents.

523 Electric expenses (Major only).

This account shall include the cost of labor, materials used and expenses incurred in operating turbogenerators, steam turbines and their auxiliary apparatus, switch gear and other electric equipment to the points where electricity leaves for conversion for transmission or distribution.

ITEMS

Labor:

1. Supervising electric production.
2. Operating turbines, engines, generators and exciters.

3. Operating condensers, circulating water systems and other auxiliary apparatus.
4. Operating generator cooling system.
5. Operating lubrication and oil control system, including oil purification.
6. Operating switchboards, switch gear and electric control and protective equipment.
7. Keeping plant log and records and preparing reports on electric plant operations.
8. Testing, checking and adjusting meters, gauges, and other instruments, relays, controls and other equipment in the electric plant.
9. Cleaning electric plant equipment when not incidental to maintenance.
10. Repacking glands and replacing gauge glasses.

Materials and Expenses:

11. Lubricants and control system oils.
12. Generator cooling gases.
13. Log sheets and charts.
14. Motor and generator brushes.

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524 Miscellaneous nuclear power expenses (Major only).

This account shall include the cost of labor, materials used and expenses incurred which are not specifically provided for or are not readily assignable to other nuclear generation operation accounts.

ITEMS

Labor:

1. General clerical and stenographic work.
2. Plant security.
3. Building service.
4. Care of grounds, including snow removal, cutting grass, etc.
5. Miscellaneous labor.

Materials and Expenses:

6. General operating supplies, such as tools, gaskets, hose, indicating lamps, record and report forms, etc.

7. First-aid supplies and safety equipment.
8. Employees' service facilities expenses.
9. Building service supplies.
10. Communication service.
11. Miscellaneous office supplies and expenses, printing and stationery.
12. Transportation expenses.
13. Meals, traveling and incidental expenses.
14. Research, development, and demonstration expenses.

525 Rents (Major only).

This account shall include all rents of property of others used, occupied or operated in connection with nuclear generation. (See operating expense instruction 3.)

528 Maintenance supervision and engineering (Major only).

This account shall include the cost of labor and expenses incurred in the general supervision and direction of maintenance of nuclear generation facilities. Direct field supervision of specific jobs shall be charged to the appropriate maintenance account. (See operating expense instruction 1.)

529 Maintenance of structures (Major only).

This account shall include the cost of labor, materials used and expenses incurred in the maintenance of structures, the book cost of which is includible in account 321, Structures and Improvements. (See operating expense instruction 2.)

530 Maintenance of reactor plant equipment (Major only).

This account shall include the cost of labor, materials used and expenses incurred in the maintenance of reactor plant, the book cost of which is includible in account 322, Reactor Plant Equipment. (See operating expense instruction 2.)

531 Maintenance of electric plant (Major only).

This account shall include the cost of labor, materials used and expenses incurred in the maintenance of electric plant, the book cost of

which is includible in account 323, Turbogenerator Units, and account 324, Accessory Electric Equipment. (See operating expense instruction 2.)

532 Maintenance of miscellaneous nuclear plant (Major only).

This account shall include the cost of labor, materials used and expenses incurred in maintenance of miscellaneous nuclear generating plant, the book cost of which is includible in account 325, Miscellaneous Power Plant Equipment. (See operating expense instruction 2.)

535 Operation supervision and engineering.

A. For Major utilities, this account shall include the cost of labor and expenses incurred in the general supervision and direction of the operation of hydraulic power generating stations. Direct supervision of specific activities, such as hydraulic operation, generator operation, etc., shall be charged to the appropriate account (See operating expense instruction 1).

B. For Nonmajor utilities, this account shall include the cost of supervision and labor in the operation of hydraulic power generating stations.

ITEMS (NONMAJOR ONLY)

Hydraulic Labor:

1. Supervising hydraulic operation.
2. Removing debris and ice from trash racks, reservoirs and waterways.
3. Patrolling reservoirs and waterways.
4. Operating intakes, spillways, sluiceways and outlet works.

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5. Operating bubbler, heater or other deicing systems.
6. Ice and log jam work.
7. Operating navigation facilities.
8. Operations relating to conservation of game, fish, forests, etc.
9. Insect control activities.

Electric Labor:

10. Supervising electric production.
11. Operating prime movers, generators and auxiliary equipment.
12. Operating generator cooling system.
13. Operating lubrication and oil control systems, including oil purification.
14. Operating switchboards, switchgear and electric control and protection equipment.
15. Keeping plant log and records and preparing reports on plant operations.
16. Testing, checking and adjusting meters, gauges, and other instruments, relays, controls and other equipment in the plant.
17. Cleaning plant equipment when not incidental to maintenance work.
18. Repacking glands.

Miscellaneous Labor:

19. General clerical and stenographic work.
20. Guarding and patrolling plant and yard.
21. Building service.
22. Care of grounds, including snow removal, cutting grass, etc.
23. Snow removal from roads and bridges.
24. Miscellaneous labor.

536 Water for power.

This account shall include the cost of water used for hydraulic power generation.

ITEMS

1. Cost of water purchased from others, including water tolls paid reservoir companies.
2. Periodic payments for licenses or permits from any governmental agency for water rights, or payments based on the use of the water.
3. Periodic payments for riparian rights.
4. Periodic payments for headwater benefits or for detriments to others.
5. Cloud seeding.

537 Hydraulic expenses (Major only).

This account shall include the cost of labor, materials used and expenses incurred in operating hydraulic works including reservoirs, dams, and waterways, and in activities directly relating to the hydroelectric development outside the generating station. It shall also include the cost of labor, materials used and other expenses incurred in connection with the operation of (a) fish and wildlife, and (b) recreation facilities. Separate subaccounts shall be maintained for each of the above.

ITEMS

Labor:

1. Supervising hydraulic operation.
2. Removing debris and ice from trash racks, reservoirs and waterways.
3. Patrolling reservoirs and waterways.
4. Operating intakes, spillways, sluiceways, and outlet works.
5. Operating bubbler, heater or other deicing systems.
6. Ice and log jam work.
7. Operating navigation facilities.
8. Operations relating to conservation of game, fish, forests, etc.
9. Insect control activities.

Materials and Expenses:

10. Insect control materials.
11. Lubricants, packing, and other supplies used in operation of hydraulic equipment.
12. Transportation expense.

538 Electric expenses (Major only).

This account shall include the cost of labor, materials used and expenses incurred in operating prime movers, generators, and their auxiliary apparatus, switchgear, and other electric equipment, to the point where electricity leaves for conversion for transmission or distribution.

ITEMS

Labor:

1. Supervising electric production.
2. Operating prime movers, generators and auxiliary equipment.
3. Operating generator cooling system.
4. Operating lubrication and oil control systems, including oil purification.
5. Operating switchboards, switchgear, and electric control and protection equipment.
6. Keeping plant log and records and preparing reports on plant operations.
7. Testing, checking and adjusting meters, gauges, and other instruments, relays, controls, and other equipment in the plant.
8. Cleaning plant equipment when not incidental to maintenance work.
9. Repacking glands.

Materials and Expenses:

10. Lubricants and control system oils.
11. Motor and generator brushes.

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539 Miscellaneous hydraulic power generation expenses (Major only).

This account shall include the cost of labor, materials used and expenses incurred which are not specifically provided for or are not readily assignable to other hydraulic generation operation expense accounts.

ITEMS

Labor:

1. General clerical and stenographic work.
2. Guarding and patrolling plant and yard.
3. Building service.
4. Care of grounds including snow removal, cutting grass, etc.
5. Snow removal from roads and bridges.
6. Miscellaneous labor.

Materials and Expenses:

7. General operating supplies, such as tools, gaskets, packing, waste, hose, indicating lamps, record and report forms, etc.
8. First-aid supplies and safety equipment.
9. Employees' service facilities expenses.
10. Building service supplies.
11. Communication service.
12. Office supplies, printing and stationery.
13. Transportation expenses.
14. Fuel.
15. Meals, traveling and incidental expenses.
16. Research, development, and demonstration expenses.

540 Rents.

This account shall include all rents of property of others used, occupied or operated in connection with hydraulic power generation, including amounts payable to the United States for the occupancy of public lands and reservations for reservoirs, dams, flumes, forebays, penstocks, power houses, etc., but not including transmission right of way. (See operating expense instruction 3.)

540.1 Operation supplies and expenses (Nonmajor only).

This account shall include the cost of materials used and expenses incurred in the operation of hydraulic power generating stations.

ITEMS

1. Insect control materials.
2. Lubricants, packing, and other supplies used in operation of hydraulic equipment.
3. Supplies and expenses in conservation of game, fish, forests, etc.
4. Transportation expense.
5. Control system oils.
6. Motor and generator brushes.
7. General operating supplies, such as tools, gaskets, packing, waste hose, indicating lamps, record and report forms, etc.
8. First-aid supplies and safety equipment.
9. Employees' service facilities expenses.
10. Building service supplies.
11. Communication service.

12. Office supplies, printing and stationery.
13. Transportation expenses.
14. Fuel.
15. Meals, traveling and incidental expenses.

541 Maintenance supervision and engineering (Major only).

This account shall include the cost of labor and expenses incurred in the general supervision and direction of the maintenance of hydraulic power generating stations. Direct field supervision of specific jobs shall be charged to the appropriate maintenance account. (See operating expense instruction 1.)

542 Maintenance of structures (Major only).

This account shall include the cost of labor, materials used, and expenses incurred in maintenance of hydraulic structures, the book cost of which is includible in Account 331, Structures and Improvements. (See operating expense instruction 2) However, the cost of labor, materials used and expenses incurred in the maintenance of fish and wildlife, and recreation facilities, the book cost of which is includible in Account 331, Structures and Improvements, shall be charged to Account 545, Maintenance of Miscellaneous Hydraulic Plant.

543 Maintenance of reservoirs, dams, and waterways (Major only).

This account shall include the cost of labor, materials used, and expenses incurred in maintenance of plant includible in Account 332, Reservoirs, Dams, and Waterways. (See operating expense instruction 2) However, the cost of labor materials used and expenses incurred in the maintenance of fish and wildlife, and recreation facilities, the book cost of which is includible in Account 332, Reservoirs, Dams and Waterways, shall be charged to Account 545,

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Maintenance of Miscellaneous Hydraulic Plant.

544 Maintenance of electric plant (Major only).

This account shall include the cost of labor, materials used and expenses incurred in maintenance of plant includible in Account 333,

Water Wheels, Turbines and Generators, and account 334, Accessory Electric Equipment. (See operating expense instruction 2.)

545 Maintenance of miscellaneous hydraulic plant (Major only).

This account shall include the cost of labor, materials used, and expenses incurred in maintenance of plant, the book cost of which is includible in Account 335, Miscellaneous Power Plant Equipment, and Account 336, Roads, Railroads and Bridges. (See operating expense instruction 2.) It shall also include the cost of labor, materials used and other expenses incurred in the maintenance of (a) fish and wildlife, and (b) recreation facilities. Separate subaccounts shall be maintained for each of the above.

545.1 Maintenance of hydraulic production plant (Nonmajor only).

This account shall include the cost of labor, materials used and expenses incurred in the maintenance of hydraulic production plant the book cost of which is includible in plant accounts 331 to 336, inclusive. (See operating expense instruction 2.)

546 Operation supervision and engineering.

A. For Major utilities, this account shall include the cost of labor and expenses incurred in the general supervision and direction of the operation of other power generating stations. Direct supervision of specific activities, such as fuel handling, engine and generator operation, etc., shall be charged to the appropriate account. (See operating expense instruction 1.)

B. For Nonmajor utilities, this account shall include the cost of supervision and labor in the operation of other power generating stations.

Generating Labor:

1. Supervising other power generation operation.
2. Operating prime movers, generators and auxiliary apparatus and switching and other electric equipment.
3. Keeping plant log and records and preparing reports on plant operations.
4. Testing, checking, cleaning, oiling and adjusting equipment.

Miscellaneous Labor:

5. General clerical and stenographic work.
6. Guarding and patrolling plant and yard.
7. Building service.
8. Care of grounds, including snow removal, cutting grass, etc.
9. Miscellaneous labor.

547 Fuel.

This account shall include the cost delivered at the station (see account 151, Fuel Stock, for Major utilities, and account 154, Plant Materials and Operating Supplies, for Nonmajor utilities) of all fuel, such as gas, oil, kerosene, and gasoline used in other power generation.

548 Generation expenses (Major only).

This account shall include the cost of labor, materials used and expenses incurred in operating prime movers, generators and electric equipment in other power generating stations, to the point where electricity leaves for conversion for transmission or distribution.

ITEMS

Labor:

1. Supervising other power generation operation.
2. Operating prime movers, generators and auxiliary apparatus and switching and other electric equipment.
3. Keeping plant log and records and preparing reports on plant operations.
4. Testing, checking, cleaning, oiling and adjusting equipment.

Materials and Expenses:

5. Dynamo, motor, and generator brushes.
6. Lubricants and control system oils.
7. Water for cooling engines and generators.

549 Miscellaneous other power generation expenses (Major only).

This account shall include the cost of labor, materials used and

expenses incurred in the operation of other power

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generating stations which are not specifically provided for or are not readily assignable to other generation expense accounts.

ITEMS

Labor:

1. General clerical and stenographic work.
2. Guarding and patrolling plant and yard.
3. Building service.
4. Care of grounds, including snow removal, cutting grass, etc.
5. Miscellaneous labor.

Materials and Expenses:

6. Building service supplies.
7. First-aid supplies and safety equipment.
8. Communication service.
9. Employees' service facilities expenses.
10. Office supplies, printing and stationery.
11. Transportation expense.
12. Meals, traveling and incidental expenses.
13. Fuel for heating.
14. Water for fire protection or general use.
15. Miscellaneous supplies, such as hand tools, drills, saw blades, files, etc.
16. Research, development, and demonstration expenses.

550 Rents.

This account shall include all rents of property of others used, occupied, or operated in connection with other power generation. (See operating expense instruction 3.)

550.1 Operation supplies and expenses (Nonmajor only).

This account shall include the cost of materials used and expenses incurred in the operation of other power generating stations.

ITEMS

1. Dynamo, motor, and generator brushes.
2. Lubricants and control system oils.
3. Water for cooling engines and generators.
4. Building service supplies.
5. First-aid supplies and safety equipment.
6. Communication service.
7. Employees' service facilities expenses.
8. Office supplies, printing and stationery.
9. Transportation expense.
10. Meals, traveling and incidental expenses.
11. Fuel for heating.
12. Water for fire protection or general use.
13. Miscellaneous supplies, such as hand tools, drills, saw blades, files, etc.

551 Maintenance supervision and engineering (Major only).

This account shall include the cost of labor and expenses incurred in the general supervision and direction of the maintenance of other power generating stations. Direct field supervision of specific jobs shall be charged to the appropriate maintenance account. (See operating expense instruction 1.)

552 Maintenance of structures (Major only).

This account shall include the cost of labor, materials used and expenses incurred in maintenance of facilities used in other power generation, the book cost of which is includible in account 341, Structures and Improvements, and account 342, Fuel Holders, Producers and Accessories. (See operating expense instruction 2.)

553 Maintenance of generating and electric equipment (Major only).

This account shall include the cost of labor, materials used and expenses incurred in maintenance of plant, the book cost of which is includible in account 343, Prime Movers, account 344, Generators, and account 345, Accessory Electric Equipment. (See operating expense instruction 2.)

554 Maintenance of miscellaneous other power generation plant (Major

only).

This account shall include the cost of labor, materials used and expenses incurred in maintenance of other power generation plant, the book cost of which is includible in account 346, Miscellaneous Power Plant Equipment. (See operating expense instruction 2.)

554.1 Maintenance of other power production plant (Nonmajor only).

This account shall include the cost of labor, materials used and expenses incurred in the maintenance of other power generation plant, the book cost of which is includible in plant accounts 341 to 346, inclusive. (See operating expense instruction 2.)

555 Purchased power.

A. This account shall include the cost at point of receipt by the utility of

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electricity purchased for resale. It shall include, also, net settlements for exchange of electricity or power, such as economy energy, off-peak energy for on-peak energy, spinning reserve capacity, etc. In addition, the account shall include the net settlements for transactions under pooling or interconnection agreements wherein there is a balancing of debits and credits for energy, capacity, etc. Distinct purchases and sales shall not be recorded as exchanges and net amounts only recorded merely because debit and credit amounts are combined in the voucher settlement.

B. The records supporting this account shall show, by months, the demands and demand charges, kilowatt-hours and prices thereof under each purchase contract and the charges and credits under each exchange or power pooling contract.

556 System control and load dispatching (Major only).

This account shall include the cost of labor and expenses incurred in load dispatching activities for system control Utilities having an interconnected electric system or operating under a central authority which controls the production and dispatching of electricity may apportion these costs to this account and accounts 561, Load

Dispatching--Transmission, and 581, Load Dispatching--Distribution.

Items

Labor:

1. Allocating loads to plants and interconnections with others.
2. Directing switching.
3. Arranging and controlling clearances for construction, maintenance, test and emergency purposes.
4. Controlling system voltages.
5. Recording loadings, water conditions, etc.
6. Preparing operating reports and data for billing and budget purposes.
7. Obtaining reports on the weather and special events.

Expenses:

8. Communication service provided for system control purposes.
9. System record and report forms.
10. Meals, traveling and incidental expenses.
11. Obtaining weather and special events reports.

557 Other expenses.

A. This account shall be charged with any production expenses including expenses incurred directly in connection with the purchase of electricity, which are not specifically provided for in other production expense accounts. Charges to this account shall be supported so that a description of each type of charge will be readily available.

B. Recoveries from insurance companies, under use and occupancy provisions of policies, of amounts in reimbursement of excessive or added production costs for which the insurance company is liable under the terms of the policy shall be credited to this account.

560 Operation supervision and engineering.

A. For Major utilities, this account shall include the cost of labor and expenses incurred in the general supervision and direction of the operation of the transmission system as a whole. Direct supervision of specific activities, such as station operation, line operation, etc., shall be charged to the appropriate account. (See operating expense

instruction 1.)

B. For Nonmajor utilities, this account shall include the cost of supervision and labor in the operation of the transmission system.

ITEMS (NONMAJOR ONLY)

Load Dispatching Labor:

1. Direct switching.
2. Arranging and controlling clearances for construction, maintenance, test and emergency purposes.
3. Controlling system voltages.
4. Obtaining reports on the weather and special events.
5. Preparing operating reports and data for billing and budget purposes.

Station Labor:

6. Supervising station operation.
7. Adjusting station equipment where such adjustment primarily affects performance, such as regulating the flow of cooling water, adjusting current in fields of a machine or changing voltage of regulators changing station transformer taps.
8. Inspecting, testing and calibrating station equipment for the purpose of checking its performance.
9. Keeping station log and records and preparing reports on station operation.

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10. Operating switching and other station equipment.
11. Standing watch, guarding and patrolling station and station yard.
12. Sweeping, mopping and tidying station.
13. Care of grounds, including snow removal, cutting grass, etc.

Line Labor:

14. Supervising line operation.
15. Inspecting and testing lightning arresters, circuit breakers, switches and grounds.
16. Load tests of circuits.
17. Routine line patrolling.

18. Routine voltage surveys made to determine the condition of efficiency of transmission system.

19. Transferring loads, switching and reconnecting circuits and equipment for operating purposes. (Switching for construction or maintenance purposes is not includible in this account.)

20. Routine inspection and cleaning of manholes, conduit, network and transformer vaults.

21. Electrolysis surveys.

22. Inspecting and adjusting line testing equipment such as voltmeters, ammeters, wattmeters, etc.

23. Regulation and addition of oil or gas in high voltage cable systems.

Miscellaneous Labor:

24. General records of physical characteristics of lines and stations, such as capacities, etc.

25. Ground resistance records.

26. Janitorial work at transmission office buildings, including care of grounds, snow removal, cutting grass, etc.

27. Joint pole maps and prints.

28. Line load and voltage records.

29. Preparing maps and prints.

30. General clerical and stenographic work.

31. Miscellaneous labor.

561 Load dispatching (Major only).

This account shall include the cost of labor, materials used and expenses incurred in load dispatching operations pertaining to the transmission of electricity.

ITEMS

Labor:

1. Directing switching.

2. Arranging and controlling clearances for construction, maintenance, test and emergency purposes.

3. Controlling system voltages.

4. Obtaining reports on the weather and special events.

5. Preparing operating reports and data for billing and budget purposes.

Expenses:

6. Communication service provided for system control purposes.
7. System record and report forms.
8. Meals, traveling and incidental expenses.
9. Obtaining weather and special events reports.

562 Station expenses (Major only).

This account shall include the cost of labor, materials used and expenses incurred in operating transmission substations and switching stations. If transmission station equipment is located in or adjacent to a generating station the expenses applicable to transmission station operations shall nevertheless be charged to this account.

ITEMS

Labor:

1. Supervising station operation.
2. Adjusting station equipment where such adjustment primarily affects performance, such as regulating the flow of cooling water, adjusting current in fields of a machine or changing voltage of regulators, changing station transformer taps.
3. Inspecting, testing and calibrating station equipment for the purpose of checking its performance.
4. Keeping station log and records and preparing reports on station operation.
5. Operating switching and other station equipment.
6. Standing watch, guarding, and patrolling station and station yard.
7. Sweeping, mopping, and tidying station.
8. Care of grounds, including snow removal, cutting grass, etc.

Materials and Expenses:

9. Building service expenses.
10. Operating supplies, such as lubricants, commutator brushes, water, and rubber goods.
11. Station meter and instrument supplies, such as ink and charts.
12. Station record and report forms.
13. Tool expense.
14. Transportation expenses.

15. Meals, traveling, and incidental expenses.

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563 Overhead line expenses (Major only).

564 Underground line expenses (Major only).

A. These accounts shall include the cost of labor, materials used and expenses incurred in the operation of transmission lines.

B. If the expenses are not substantial for both overhead and underground lines, these accounts may be combined.

ITEMS

Labor:

1. Supervising line operation.
2. Inspecting and testing lightning arresters, circuit breakers, switches, and grounds
3. Load tests of circuits.
4. Routine line patrolling.
5. Routine voltage surveys made to determine the condition or efficiency of transmission system.
6. Transferring loads, switching and reconnecting circuits and equipment for operating purposes. (Switching for construction or maintenance purposes is not includible in this account.)
7. Routine inspection and cleaning of manholes, conduit, network and transformer vaults.
8. Electrolysis surveys.
9. Inspecting and adjusting line-testing equipment, such as voltmeters, ammeters, wattmeters, etc.
10. Regulation and addition of oil or gas in high-voltage cable systems.

Materials and Expenses:

11. Transportation expenses.
12. Meals, traveling and incidental expenses.
13. Tool expenses.
14. Operating supplies, such as instrument charts, rubber goods, etc.

565 Transmission of electricity by others (Major only).

This account shall include amounts payable to others for the transmission of the utility's electricity over transmission facilities owned by others.

566 Miscellaneous transmission expenses (Major only).

This account shall include the cost of labor, materials used and expenses incurred in transmission map and record work, transmission office expenses, and other transmission expenses not provided for elsewhere.

ITEMS

Labor:

1. General records of physical characteristics of lines and stations, such as capacities, etc.
2. Ground resistance records.
3. Janitor work at transmission office buildings, including care of grounds, snow removal, cutting grass, etc.
4. Joint pole maps and records.
5. Line load and voltage records.
6. Preparing maps and prints.
7. General clerical and stenographic work.
8. Miscellaneous labor.

Materials and Expenses:

9. Communication service.
10. Building service supplies.
11. Map and record supplies.
12. Transmission office supplies and expenses, printing and stationery.
13. First-aid supplies.
14. Research, development, and demonstration expenses.

567 Rents.

This account shall include rents of property of others used, occupied, or operated in connection with the transmission system, including payments to the United States and others for use of public or private lands and reservations for transmission line rights of way. (See

operating expense instruction 3.)

567.1 Operation supplies and expenses (Nonmajor only).

This account shall include the cost of materials used and expenses incurred in the operation of the transmission system.

ITEMS

1. Building service expenses.
2. Operating supplies, such as lubricants, commutator brushes, water, and rubber goods.
3. Station meter and instrument supplies, such as ink and charts.
4. Station record and report forms.
5. Communication service.
6. First-aid supplies.
7. Tool expense.
8. Transportation expenses.
9. Meals, traveling, and incidental expenses.

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568 Maintenance supervision and engineering (Major only).

This account shall include the cost of labor and expenses incurred in the general supervision and direction of maintenance of the transmission system. Direct field supervision of specific jobs shall be charged to the appropriate maintenance account. (See operating expense instruction 1.)

569 Maintenance of structures (Major only).

This account shall include the cost of labor, materials used and expenses incurred in the maintenance of structures, the book cost of which is includible in account 352, Structures and Improvements. (See operating expense instruction 2.)

570 Maintenance of station equipment (Major only).

This account shall include the cost of labor, materials used and expenses incurred in maintenance of station equipment the book cost of which is includible in account 353, Station Equipment. (See operating

expense instruction 2.)

571 Maintenance of overhead lines (Major only).

This account shall include the cost of labor, materials used and expenses incurred in maintenance of transmission plant, the book cost of which is includible in accounts 354, Towers and Fixtures, 355, Poles and Fixtures, 356, Overhead Conductors and Devices, 359, Roads and Trails. (See operating expense instruction 2.)

ITEMS

1. Work of the following character on poles, towers and fixtures:
 - a. Installing or removing additional clamps or strain insulators on guys in place.
 - b. Moving line or guy pole in relocation of the same pole or section of line.
 - c. Painting poles, towers, crossarms or pole extensions.
 - d. Readjusting and changing position of guys or braces.
 - e. Realigning and straightening poles, cross arms braces, and other pole fixtures.
 - f. Reconditioning reclaimed pole fixtures.
 - g. Relocating crossarms, racks, brackets, and other fixtures on poles.
 - h. Repairing or realigning pins, racks, or brackets.
 - i. Repairing pole supported platform.
 - j. Repairs by others to jointly owned poles.
 - k. Shaving, cutting rot, or treating poles or crossarms in use or salvaged for reuse.
 - l. Stubbing poles already in service.
 - m. Supporting fixtures and conductors and transferring them to new pole during poles replacements.
 - n. Maintenance of pole signs, stencils, tags, etc.
2. Work of the following character on overhead conductors and devices:
 - a. Overhauling and repairing line cutouts, line switches, line breakers, etc.
 - b. Cleaning insulators and bushings.
 - c. Refusing cutouts.
 - d. Repairing line oil circuit breakers and associated relays and

control wiring.

- e. Repairing grounds.
- f. Resagging, retying, or rearranging position or spacing of conductors.
- g. Standing by phones, going to calls, cutting faulty lines clear, or similar activities at times of emergencies.
- h. Sampling, testing, changing, purifying, and replenishing insulating oil.
- i. Repairing line testing equipment.
- j. Transferring loads, switching and reconnecting circuits and equipment for maintenance purposes.
- k. Trimming trees and clearing brush.
- l. Chemical treatment of right of way areas when occurring subsequent to construction of line.

3. Work of the following character on roads and trails:

- a. Repairing roadway, bridges, etc.
- b. Trimming trees and brush to maintain previous roadway clearance.
- c. Snow removal from roads and trails.
- d. Maintenance work on publicly owned roads and trails when done by utility at its expense.

572 Maintenance of underground lines (Major only).

This account shall include the cost of labor, materials used and expenses incurred in maintenance of transmission plant, the book cost of which is includible in accounts 357, Underground Conduit, and 358, Underground Conductors and Devices. (See operating expense instruction 2.)

ITEMS

- 1. Work of the following character on underground conduit:
 - a. Cleaning ducts, manholes, and sewer connections.
 - b. Minor alterations of handholes, manholes, or vaults.
 - c. Refastening, repairing, or moving racks, ladders, or hangers in manholes, or vaults.

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- d. Plugging and shelving or replugging ducts.

e. Repairs to sewers and drains, walls and floors, rings and covers.

2. Work of the following character on underground conductors and devices:

a. Repairing oil circuit breakers, switches, cutouts, and control wiring.

b. Repairing grounds.

c. Retraining and reconnecting cables in manhole, including transfer of cables from one duct to another.

d. Repairing conductors and splices.

e. Repairing or moving junction boxes and potheads.

f. Refireproofing of cables and repairing supports.

g. Repairing electrolysis preventive devices for cables.

h. Repairing cable bonding systems.

i. Sampling, testing, changing, purifying and replenishing insulating oil.

j. Transferring loads, switching and reconnecting circuits and equipment for maintenance purposes.

k. Repairing line testing equipment.

l. Repairs to oil or gas equipment in highvoltage cable system and replacement of oil or gas.

573 Maintenance of miscellaneous transmission plant (Major only).

This account shall include the cost of labor, materials used and expenses incurred in maintenance of owned or leased plant which is assignable to transmission operations and is not provided for elsewhere. (See operating expense instruction 2.)

574 Maintenance of transmission plant (Nonmajor only).

This account shall include the cost of labor, materials used and expenses incurred in the maintenance of transmission plant the book cost of which is includible in plant accounts 351 to 359 inclusive. (See operating expense instruction 2.)

ITEMS

1. Work of the following character on poles, towers and fixtures:

a. Installing or removing additional clamps or strain insulators on

guys in place.

b. Moving line or guy pole in relocation of the same pole or section of line.

c. Painting poles, towers, crossarms or pole extensions.

d. Readjusting and changing position of guys or braces.

e. Realigning and straightening poles, crossarms, braces and other pole fixtures.

f. Reconditioning reclaimed pole fixtures.

g. Relocating crossarms, racks, brackets, and other fixtures on poles.

h. Repairing or realigning pins, racks, or brackets.

i. Repairing pole supported platform.

j. Repairs by others to jointly owned poles.

k. Shaving, cutting rot, or treating poles or crossarms in use or salvaged for reuse.

l. Stubbing poles already in service.

m. Supporting fixtures and conductors and transferring them to new pole during pole replacement.

n. Maintenance of pole signs, stencils, tags, etc.

2. Work of the following character on overhead conductors and devices:

a. Overhauling and repairing line cutouts, line switches, line breakers, etc.

b. Cleaning insulators and bushings.

c. Refusing cutouts.

d. Repairing line oil circuit breakers and associated relays and control wiring.

e. Repairing grounds.

f. Resagging, retying, or rearranging position or spacing of conductors.

g. Standing by phones, going to calls, cutting faulty lines clear, or similar activities at times of emergencies.

h. Sampling, testing, changing, purifying, and replenishing insulating oil.

i. Repairing line testing equipment.

j. Transferring loads, switching and reconnecting circuits and equipment for maintenance purposes.

k. Trimming trees and clearing brush.

l. Chemical treatment of right of way areas when occurring subsequent to construction of line.

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3. Work of the following character on roads and trails:

- a. Repairing roadway, bridges, etc.
- b. Trimming trees and brush to maintain previous roadway clearance.
- c. Snow removal from roads and trails.
- d. Maintenance work on publicly owned roads and trails when done by utility at its expense.

4. Work of the following character on underground conduit:

- a. Cleaning ducts, manholes, and sewer connections.
- b. Minor alterations of handholes, manholes, or vaults.
- c. Refasting, repairing, or moving racks, ladders, or hangers in manholes, or vaults.
- d. Plugging and shelving or replugging ducts.
- e. Repairs to sewers and drains, walls and floors, rings and covers.

5. Work of the following character on underground conductors and devices:

- a. Repairing oil circuit breakers, switches, cutouts, and control wiring.
- b. Repairing grounds.

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- c. Retraining and reconnecting cables in manhole, including transfer of cables from one duct to another.
- d. Repairing conductors and splices.
- e. Repairing or moving junction boxes and potheads.
- f. Refireproofing of cables and repairing supports.
- g. Repairing electrolysis preventive devices for cables.
- h. Repairing cable bonding systems.
- i. Sampling, testing, changing, purifying and replenishing insulating oil.
- j. Transferring loads, switching and reconnecting circuits and equipment for maintenance purposes.
- k. Repairing line testing equipment.
- l. Repairs to oil or gas equipment in high voltage cable system and replacement of oil or gas.

580 Operation supervision and engineering.

This account shall include the cost of labor and expenses incurred in the general supervision and direction of the operation of the distribution system. Direct supervision of specific activities, such as station operation, line operation, meter department operation, etc., shall be charged to the appropriate account. (For Major utilities, see operating expense instruction 1.)

581 Load dispatching (Major only).

This account (the keeping of which is optional with the utility) shall include the cost of labor, materials used and expenses incurred in load dispatching operations pertaining to the distribution of electricity.

ITEMS

Labor:

1. Directing switching.
2. Arranging
and controlling clearances for construction,
maintenance, test and emergency purposes.
3. Controlling system voltages.
4. Preparing operating reports.
5. Obtaining reports on the weather and special events.

Expenses:

6. Communication service provided for system control purposes.
7. System record and report forms.
8. Meals, traveling and incidental expenses.

581.1 Line and station supplies and expenses (Nonmajor only).

582 Station expenses (Major only).

583 Overhead line expenses (Major only).

584 Underground line expenses (Major only).

Accounts 581.1 through 584 shall include, respectively, the cost of labor, materials used and expenses incurred in the operation of overhead and underground distribution lines and stations.

ITEMS

Line Labor:

1. Supervising line operation.
2. Changing line transformer taps.
3. Inspecting and testing lightning arresters, line circuit breakers, switches and grounds.
4. Inspecting and testing line transformers for the purpose of determining load, temperature or operating performance.
5. Patrolling lines.
6. Load tests and voltages surveys of feeders, circuits and line transformers.
7. Removing line transformers and voltage regulators with or without replacements.
8. Installing line transformers or voltage regulators with or without change in capacity provided that the first installation of these items is included in account 368, Line transformers.
9. Voltage surveys, either routine or upon request of customers, including voltage tests at customers' main switch.
10. Transferring loads, switching and reconnecting circuits and equipment for operation purposes.
11. Electrolysis surveys.
12. Inspecting and adjusting line testing equipment.

Line Supplies and Expenses:

13. Tool expenses.
14. Transportation expenses.
15. Meals, traveling and incidental expense.
16. Operating supplies, such as instrument charts, rubber goods, etc.

Station Labor:

1. Supervising station operation.
2. Adjusting station equipment where such adjustment primarily affects performance, such as regulating the flow of cooling water, adjusting current in fields of a machine, changing voltage of regulators or changing station transformer taps.
3. Keeping station log and records and preparing reports on station operation.

4. Inspecting, testing and calibrating station equipment for the purpose of checking its performance.
5. Operating switching and other station equipment.
6. Standing watch, guarding and patrolling station and station yard.
7. Sweeping, mopping and tidying station.
8. Care of grounds, including snow removal, cutting grass, etc.

Station Supplies and Expenses:

9. Building service expenses.
10. Operating supplies, such as lubricants, commutator brushes, water and rubber goods.
11. Station meter and instrument supplies, such as ink and charts.
12. Station record and report forms.
13. Tool expenses.
14. Transportation expenses.
15. Meals, traveling and incidental expenses.

Note (Major only): If the utility owns storage battery equipment used for supplying electricity to customers in periods of emergency, the cost of operating labor and of supplies, such as acid, gloves, hydrometers, thermometers, soda, automatic cell fillers, acid proof shoes, etc., shall be included in this account. If significant in amount, a separate subdivision shall be maintained for such expenses.

585 Street lighting and signal system expenses.

A. For Nonmajor utilities, this account shall include the cost of labor, materials used and expenses incurred in the operation of street lighting and signal system plant.

B. For Major utilities, this account shall include the cost of labor, materials used and expenses incurred in: (a) The operation of street lighting and signal system plant which is owned or leased by the utility; and (b) the operation and maintenance of such plant owned by customers where such work is done regularly as a part of the street lighting and signal system service.

ITEMS

Labor:

1. Supervising street lighting and signal systems operation.
2. Replacing lamps and incidental cleaning of glassware and fixtures

in connection therewith.

3. Routine patrolling for lamp outages, extraneous nuisances or encroachments, etc.

4. Testing lines and equipment including voltage and current measurement.

5. Winding and inspection of time switch and other controls.

Materials and Expenses:

6. Street lamp renewals.

7. Transportation and tool expense.

8. Meals, traveling, and incidental expenses.

586 Meter expenses.

This account shall include the cost of labor, materials used and expenses incurred in the operation of customer meters and associated equipment.

ITEMS

Labor:

1. Supervising meter operation.

2. Clerical work on meter history and associated equipment record cards, test cards, and reports.

3. Disconnecting and reconnecting, removing and reinstalling, sealing and unsealing meters and other metering equipment in connection with initiating or terminating services including the cost of obtaining meter readings, if incidental to such operation.

4. Consolidating meter installations due to elimination of separate meters for different rates of service.

5. Changing or relocating meters, instrument transformers, time switches, and other metering equipment.

6. Resetting time controls, checking operation of demand meters and other metering equipment, when done as an independent operation.

7. Inspecting and adjusting meter testing equipment.

8. Inspecting and testing meters, instrument transformers, time switches, and other metering equipment on premises or in shops excluding inspecting and testing incidental to maintenance

Materials and Expenses:

9. Meter seals and miscellaneous meter supplies.
10. Transportation expenses.
11. Meals, traveling, and incidental expenses.
12. Tool expenses.

Note: The cost of the first setting and testing of a meter is chargeable to utility plant account 370, Meters.

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587 Customer installations expenses.

This account shall include the cost of labor, materials used and expenses incurred in work on customer installations in inspecting premises and in rendering services to customers of the nature of those indicated by the list of items hereunder.

ITEMS

Labor:

1. Supervising customer installations work.
2. Inspecting premises, including check of wiring for code compliance.
3. Investigating, locating, and clearing grounds on customers' wiring.
4. Investigating service complaints, including load tests of motors and lighting and power circuits on customers' premises; field investigations of complaints on bills or of voltage.
5. Installing, removing, renewing, and changing lamps and fuses.
6. Radio, television and similar interference work including erection of new aerials on customers' premises and patrolling of lines, testing of lightning arresters, inspection of pole hardware, etc., and examination on or off premises of customers' appliances, wiring, or equipment to locate cause of interference.
7. Installing, connecting, reinstalling, or removing leased property on customers' premises.
8. Testing, adjusting, and repairing customers' fixtures and appliances in shop or on premises.
9. Cost of changing customers' equipment due to changes in service characteristics.
10. Investigation of current diversion including setting and removal of check meters and securing special readings thereon; special calls by

employees in connection with discovery and settlement of current diversion; changes in customer wiring and any other labor cost identifiable as caused by current diversion.

Materials and Expenses:

11. Lamp and fuse renewals.
12. Materials used in servicing customers' fixtures, appliances and equipment.
13. Power, light, heat, telephone, and other expenses of appliance repair department.
14. Tool expense.
15. Transportation expense, including pickup and delivery charges.
16. Meals, traveling and incidental expenses.
17. Rewards paid for discovery of current diversion.

Note A: Amounts billed customers for any work, the cost of which is charged to this account, shall be credited to this account. Any excess over costs resulting therefrom shall be transferred to account 451, Miscellaneous Service Revenues.

Note B: Do not include in this account expenses incurred in connection with merchandising, jobbing and contract work.

588 Miscellaneous distribution expenses.

This account shall include the cost of labor, materials used and expenses incurred in distribution system operation not provided for elsewhere.

ITEMS

Labor:

1. General records of physical characteristics of lines and substations, such as capacities, etc.
2. Ground resistance records.
3. Joint pole maps and records.
4. Distribution system voltage and load records.
5. Preparing maps and prints.
6. Service interruption and trouble records.
7. General clerical and stenographic work except that chargeable to account 586, Meter expenses.

Expenses:

8. Operating records covering poles, transformers, manholes, cables, and other distribution facilities. Exclude meter records chargeable to account 586. Meter Expenses and station records chargeable to account 582, Station Expenses (For Nonmajor utilities, account 581.1, Line and Station Expenses), and stores records (For Nonmajor utilities, station records) chargeable to account 163, Stores Expense Undistributed (For Nonmajor utilities, account 581.1, Line and Station Expenses).

9. Janitor work at distribution office buildings including snow removal, cutting grass, etc.

Materials and Expenses:

10. Communication service.

11. Building service expenses.

12. Miscellaneous office supplies and expenses, printing, and stationery, maps and records and first-aid supplies.

13. Research, development, and demonstration expenses (Major only)

589 Rents.

This account shall include rents of property of others used, occupied, or operated in connection with the distribution system, including payments to the United States and others for the use and occupancy of public lands and reservations for distribution line rights

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of way. (See operating expense instruction 3.)

590 Maintenance supervision and engineering (Major only).

This account shall include the cost of labor and expenses incurred in the general supervision and direction of maintenance of the distribution system. Direct field supervision of specific jobs shall be charged to the appropriate maintenance account. (See operating expense instruction 1.)

591 Maintenance of structures (Major only).

This account shall include the cost of labor, materials used and

expenses incurred in maintenance of structures, the book cost of which is includible in account 361, Structures and Improvements. (See operating expense instruction 2.)

592 Maintenance of station equipment (Major only).

This account shall include the cost of labor, materials used and expenses incurred in maintenance of plant, the book cost of which is includible in account 362, Station Equipment, and account 363, Storage Battery Equipment. (See operating expense instruction 2.)

592.1 Maintenance of structures and equipment (Nonmajor only).

This account shall include the cost of labor, materials used and expenses incurred in maintenance of structures, the book cost of which is includible in account 361, Structures and Improvements, account 362, Station Equipment, and account 363, Storage Battery Equipment. (See operating expense instruction 2.)

593 Maintenance of overhead lines (Major only).

This account shall include the cost of labor, materials used and expenses incurred in the maintenance of overhead distribution line facilities, the book cost of which is includible in account 364, Poles, Towers and Fixtures, account 365, Overhead Conductors and Devices, and account 369, Services. (See operating expense instruction 2.)

ITEMS

1. Work of the following character on poles, towers, and fixtures:
 - a. Installing additional clamps or removing clamps or strain insulators on guys in place.
 - b. Moving line or guy pole in relocation of pole or section of line.
 - c. Painting poles, towers, crossarms, or pole extensions.
 - d. Readjusting and changing position of guys or braces.
 - e. Realigning and straightening poles, crossarms, braces, pins, racks, brackets, and other pole fixtures.
 - f. Reconditioning reclaimed pole fixtures.
 - g. Relocating crossarms, racks, brackets, and other fixtures on poles.
 - h. Repairing pole supported platform.

- i. Repairs by others to jointly owned poles.
 - j. Shaving, cutting rot, or treating poles or crossarms in use or salvaged for reuse.
 - k. Stubbing poles already in service.
 - l. Supporting conductors, transformers, and other fixtures and transferring them to new poles during pole replacements.
 - m. Maintaining pole signs, stencils, tags, etc.
2. Work of the following character on overhead conductors and devices:
- a. Overhauling and repairing line cutouts, line switches, line breakers, and capacitor installations.
 - b. Cleaning insulators and bushings.
 - c. Refusing line cutouts.
 - d. Repairing line oil circuit breakers and associated relays and control wiring.
 - e. Repairing grounds.
 - f. Resagging, retying, or rearranging position or spacing of conductors.
 - g. Standing by phones, going to calls, cutting faulty lines clear, or similar activities at times of emergency.
 - h. Sampling, testing, changing, purifying, and replenishing insulating oil.
 - i. Transferring loads, switching, and reconnecting circuits and equipment for maintenance purposes.
 - j. Repairing line testing equipment.
 - k. Trimming trees and clearing brush.
 - l. Chemical treatment of right of way area when occurring subsequent to construction of line.
3. Work of the following character on overhead services:
- a. Moving position of service either on pole or on customers' premises.
 - b. Pulling slack in service wire.
 - c. Retying service wire.
 - d. Refastening or tightening service bracket.

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This account shall include the cost of labor, materials used and expenses incurred in the maintenance of underground distribution line facilities, the book cost of which is includible in account 366, Underground Conduit, account 367, Underground Conductors and Devices, and account 369, Services. (See operating expense instruction 2.)

ITEMS

1. Work of the following character on underground conduit:

- a. Cleaning ducts, manholes, and sewer connections.
- b. Moving or changing position of conduit or pipe.
- c. Minor alterations of handholes, manholes, or vaults.
- d. Refastening, repairing, or moving racks, ladders, or hangers in manholes or vaults.
- e. Plugging and shelving ducts.
- f. Repairs to sewers, drains, walls, and floors, rings and covers.

2. Work of the following character on underground conductors and devices:

- a. Repairing circuit breakers, switches, cutouts, network protectors, and associated relays and control wiring.
- b. Repairing grounds.
- c. Retraining and reconnecting cables in manholes including transfer of cables from one duct to another.
- d. Repairing conductors and splices.
- e. Repairing or moving junction boxes and potheads.
- f. Refireproofing cables and repairing supports.
- g. Repairing electrolysis preventive devices for cables.
- h. Repairing cable bonding systems.
- i. Sampling, testing, changing, purifying and replenishing insulating oil.
- j. Transferring loads, switching and reconnecting circuits and equipment for maintenance purposes.
- k. Repairing line testing equipment.
- l. Repairing oil or gas equipment in high voltage cable systems and replacement of oil or gas.

3. Work of the following character on underground services:

- a. Cleaning ducts.
- b. Repairing any underground service plant.

594.1 Maintenance of lines (Nonmajor only).

This account shall include the cost of labor, materials used and expenses incurred in the maintenance of distribution line facilities, the book cost of which is includible in account 364, Poles, Towers and Fixtures, account 365, Overhead Conductors and Devices, account 366, Underground Conduit, account 367, Underground Conductors and Devices, and account 369, Services. (See operating expense instruction 2.)

ITEMS

1. Work of the following character on poles, towers, and fixtures:
 - a. Installing additional clamps or removing clamps or strain insulators on guys in place.
 - b. Moving line or guy pole in relocation of pole or section of line.
 - c. Painting poles, towers, crossarms, or pole extensions.
 - d. Readjusting and changing position of guys or braces.
 - e. Realigning and straightening poles, crossarms, braces, pins, racks, brackets, and other pole fixtures.
 - f. Reconditioning reclaimed pole fixtures.
 - g. Relocating crossarms, racks, brackets, and other fixtures on pole.
 - h. Repairing pole supported platform.
 - i. Repairs by others to jointly owned poles.
 - j. Shaving, cutting rot, or treating poles or crossarms in use or salvage for reuse.
 - k. Stubbing poles already in service.
 - l. Supporting conductors, transformers, and other fixtures and transferring them to new poles during pole replacement.
 - m. Maintaining pole signs, stencils, tags, etc.
2. Work of the following character on overhead conductors and devices:
 - a. Overhauling and repairing line cutouts, line switches, line breakers, and capacitor installations.
 - b. Cleaning insulators and bushings.
 - c. Refusing line cutouts.
 - d. Repairing line oil circuit breakers and associated relays and control wiring.
 - e. Repairing grounds.

- f. Resagging, retying, or rearranging position or spacing of conductors.
- g. Standing by phones, going to calls, cutting faulting lines clear, or similar activities at times of emergencies.
- h. Sampling, testing, changing, purifying, and replenishing insulating oil.
- i. Transferring loads, switching, and reconnecting circuits and equipment for maintenance purposes.
- j. Repairing line testing equipment.
- k. Trimming trees and clearing brush.
- l. Chemical treatment of right of way area when occurring subsequent to construction of line.

3. Work of the following character on underground conduit:

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- a. Cleaning ducts, manholes, and sewer connections.
- b. Moving or changing position of conduit or pipe.
- c. Minor alterations of handholes, manholes, or vaults.
- d. Refastening, repairing or moving racks, ladders, or hangers in manholes or vaults.
- e. Plugging and shelving ducts.
- f. Repairs to sewers, drains, walls and floors, rings and covers.

4. Work of the following character on underground conductors and devices:

- a. Repairing circuit breakers, switches, cutouts, network protectors, and associated relays and control wiring.
- b. Repairing grounds.
- c. Retraining and reconnecting cables in manhole including transfer of cables from one duct to another.
- d. Repairing conductors and splices.
- e. Repairing or moving junction boxes and potheads.
- f. Refireproofing cables and repairing supports.
- g. Repairing electrolysis preventive devices for cables.
- h. Repairing cable bonding systems.
- i. Sampling, testing, changing, purifying and replenishing insulating oil.
- j. Transferring loads, switching and reconnecting circuits and equipment for maintenance purposes.
- k. Repairing line testing equipment.

1. Repairing oil or gas equipment in high voltage cable system and replacement of oil or gas.

5. Work of the following character on services:

a. Moving position of service either on pole or on customers' premises.

b. Pulling slack in service wire.

c. Retying service wire.

d. Refastening or tightening service bracket.

e. Cleaning ducts.

595 Maintenance of line transformers.

This account shall include the cost of labor, materials used and expenses incurred in maintenance of distribution line transformers, the book cost of which is includible in account 368, Line Transformers. (See operating expense instruction 2.)

596 Maintenance of street lighting and signal systems.

This account shall include the cost of labor, materials used and expenses incurred in maintenance of plant, the book cost of which is includible in account 373, Street Lighting and Signal Systems. (See operating expense instruction 2.)

597 Maintenance of meters.

This account shall include the cost of labor, materials used and expenses incurred in the maintenance of meters and meter testing equipment, the book cost of which is includible in account 370, Meters, and account 395, Laboratory Equipment, respectively. (See operating expense instruction 2.)

598 Maintenance of miscellaneous distribution plant.

This account shall include the cost of labor, materials used and expenses incurred in maintenance of plant, the book cost of which is includible in accounts 371, Installations on Customers' Premises, and 372, Leased Property on Customers' Premises, and any other plant the maintenance of which is assignable to the distribution function and is not provided for elsewhere. (See operating expense instruction 2.)

ITEMS

a. Work of similar nature to that listed in other distribution maintenance accounts.

b. Maintenance of office furniture and equipment used by distribution system department.

901 Supervision (Major only).

This account shall include the cost of labor and expenses incurred in the general direction and supervision of customer accounting and collecting activities. Direct supervision of a specific activity shall be charged to account 902, Meter Reading Expenses, or account 903, Customer Records and Collection Expenses, as appropriate. (See operating expense instruction 1.)

902 Meter reading expenses.

This account shall include the cost of labor, materials used and expenses incurred in reading customer meters, and determining consumption when performed by employees engaged in reading meters.

ITEMS

Labor:

1. Addressing forms for obtaining meter readings by mail.

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2. Changing and collecting meter charts used for billing purposes.

3. Inspecting time clocks, checking seals, etc., when performed by meter readers and the work represents a minor activity incidental to regular meter reading routine.

4. Reading meters, including demand meters, and obtaining load information for billing purposes. Exclude and charge to account 586, Meter Expenses, or to account 903, Customer Records and Collection Expenses, as applicable, the cost of obtaining meter readings, first and final, if incidental to the operation of removing or resetting, sealing, or locking, and disconnecting or reconnecting meters.

5. Computing consumption from meter reader's book or from reports by mail when done by employees engaged in reading meters.

6. Collecting from prepayment meters when incidental to meter reading.
7. Maintaining record of customers' keys.
8. Computing estimated or average consumption when performed by employees engaged in reading meters.

Materials and Expenses:

9. Badges, lamps, and uniforms.
10. Demand charts, meter books and binders and forms for recording readings, but not the cost of preparation.
11. Postage and supplies used in obtaining meter readings by mail.
12. Transportation, meals, and incidental expenses.

903 Customer records and collection expenses.

This account shall include the cost of labor, materials used and expenses incurred in work on customer applications, contracts, orders, credit investigations, billing and accounting, collections and complaints.

ITEMS

Labor:

1. Receiving, preparing, recording and handling routine orders for service, disconnections, transfers or meter tests initiated by the customer, excluding the cost of carrying out such orders, which is chargeable to the account appropriate for the work called for by such orders.
2. Investigations of customers' credit and keeping of records pertaining thereto, including records of uncollectible accounts written off.
3. Receiving, refunding or applying customer deposits and maintaining customer deposit, line extension, and other miscellaneous records.
4. Checking consumption shown by meter readers' reports where incidental to preparation of billing data.
5. Preparing address plates and addressing bills and delinquent notices.
6. Preparing billing data.
7. Operating billing and bookkeeping machines.
8. Verifying billing records with contracts or rate schedules.

9. Preparing bills for delivery, and mailing or delivering bills.
10. Collecting revenues, including collection from prepayment meters unless incidental to meter-reading operations.
11. Balancing collections, preparing collections for deposit, and preparing cash reports.
12. Posting collections and other credits or charges to customer accounts and extending unpaid balances.
13. Balancing customer accounts and controls.
14. Preparing, mailing, or delivering delinquent notices and preparing reports of delinquent accounts.
15. Final meter reading of delinquent accounts when done by collectors incidental to regular activities.
16. Disconnecting and reconnecting service because of nonpayment of bills.
17. Receiving, recording, and handling of inquiries, complaints, and requests for investigations from customers, including preparation of necessary orders, but excluding the cost of carrying out such orders, which is chargeable to the account appropriate for the work called for by such orders.
18. Statistical and tabulating work on customer accounts and revenues, but not including special analyses for sales department, rate department, or other general purposes, unless incidental to regular customer accounting routines.
19. Preparing and periodically rewriting meter reading sheets.
20. Determining consumption and computing estimated or average consumption when performed by employees other than those engaged in reading meters.

Materials and Expenses:

21. Address plates and supplies.
22. Cash overages and shortages.
23. Commissions or fees to others for collecting.
24. Payments to credit organizations for investigations and reports.
25. Postage.
26. Transportation expenses (Major only), including transportation of customer bills and meter books under centralized billing procedure.
27. Transportation, meals, and incidental expenses.
28. Bank charges, exchange, and other fees for cashing and depositing customers' checks.

29. Forms for recording orders for services removals, etc.
30. Rent of mechanical equipment.
31. Communication service (Nonmajor only).
32. Miscellaneous office supplies and expenses and stationery and printing (Nonmajor only).

Note: The cost of work on meter history and meter location records is chargeable to account 586, Meter Expenses.

904 Uncollectible accounts.

This account shall be charged with amounts sufficient to provide for losses from uncollectible utility revenues. Concurrent credits shall be made to account 144, Accumulated Provision for Uncollectible Accounts--Cr. Losses from uncollectible accounts shall be charged to account 144.

905 Miscellaneous customer accounts expenses (Major only).

This account shall include the cost of labor, materials used and expenses incurred not provided for in other accounts.

ITEMS

Labor:

1. General clerical and stenographic work.
2. Miscellaneous labor.

Materials and Expenses:

3. Communication service.
4. Miscellaneous office supplies and expenses and stationery and printing other than those specifically provided for in accounts 902 and 903.

906 Customer service and informational expenses (Nonmajor only).

This account shall include the cost of supervision, labor, and expenses incurred in customer service and informational activities, the purpose of which is to encourage safe and efficient use of the utility's service, to encourage conservation of the utility's service, and to assist present customers in answering specific inquiries as to the

proper and economic use of the utility's service and the customer's equipment utilizing the service

907 Supervision (Major only).

This account shall include the cost of labor and expenses incurred in the general direction and supervision of customer service activities, the object of which is to encourage safe, efficient and economical use of the utility's service. Direct supervision of a specific activity within customer service and informational expense classification shall be charged to the account wherein the costs of such activity are included. (See operating expense instruction 1.)

908 Customer assistance expenses (Major only).

This account shall include the cost of labor, materials used and expenses incurred in providing instructions or assistance to customers, the object of which is to encourage safe, efficient and economical use of the utility's service.

ITEMS

Labor:

1. Direct supervision of department.
2. Processing customer inquiries relating to the proper use of electric equipment, the replacement of such equipment and information related to such equipment.
3. Advice directed to customers as to how they may achieve the most efficient and safest use of electric equipment.
4. Demonstrations, exhibits, lectures, and other programs designed to instruct customers in the safe, economical or efficient use of electric service, and/or oriented toward conservation of energy.
5. Engineering and technical advice to customers, the object of which is to promote safe, efficient and economical use of the utility's service.

Materials and Expenses:

6. Supplies and expenses pertaining to demonstrations, exhibits, lectures, and other programs.
7. Loss in value on equipment and appliances used for customer

assistance programs.

8. Office supplies and expenses.
9. Transportation, meals, and incidental expenses.

Note --Do not include in this account expenses that are provided for elsewhere, such as accounts 416, Costs and Expenses of Merchandising, Jobbing and Contract Work, 587, Customer Installations Expenses, and 912, Demonstrating and Selling Expenses

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909 Informational and instructional advertising expenses (Major only).

This account shall include the cost of labor, materials used and expenses incurred in activities which primarily convey information as to what the utility urges or suggests customers should do in utilizing electric service to protect health and safety, to encourage environmental protection, to utilize their electric equipment safely and economically, or to conserve electric energy.

Labor:

1. Direct supervision of informational activities.
2. Preparing informational materials for newspapers, periodicals, billboards, etc., and preparing and conducting informational motion pictures, radio and television programs.
3. Preparing informational booklets, bulletins, etc., used in direct mailings.
4. Preparing informational window and other displays.
5. Employing agencies, selecting media and conducting negotiations in connection with the placement and subject matter of information programs.

Materials and Expenses:

6. Use of newspapers, periodicals, billboards, radio, etc., for informational purposes.
7. Postage on direct mailings to customers exclusive of postage related to billings.
8. Printing of informational booklets, dodgers, bulletins, etc.
9. Supplies and expenses in preparing informational materials by the utility.
10. Office supplies and expenses.

Note A: Exclude from this account and charge to account 930.2, Miscellaneous General Expenses, the cost of publication of stockholder reports, dividend notices, bond redemption notices, financial statements, and other notices of a general corporate character. Exclude also all expenses of a promotional, institutional, goodwill or political nature, which are includible in such accounts as 913, Advertising Expenses, 930.1, General Advertising Expenses, and 426.4, Expenditures for Certain Civic, Political and Related Activities.

Note B: Entries relating to informational advertising included in this account shall contain or refer to supporting documents which identify the specific advertising message. If references are used, copies of the advertising message shall be readily available.

910 Miscellaneous customer service and informational expenses (Major only).

This account shall include the cost of labor, materials used and expenses incurred in connection with customer service and informational activities which are not includible in other customer information expense accounts.

Labor:

1. General clerical and stenographic work not assigned to specific customer service and informational programs.
2. Miscellaneous labor.

Materials and Expenses:

3. Communication service.
4. Printing, postage and office supplies expenses.

911 Supervision (Major only).

This account shall include the cost of labor and expenses incurred in the general direction and supervision of sales activities, except merchandising. Direct supervision of a specific activity, such as demonstrating, selling, or advertising shall be charged to the account wherein the costs of such activity are included. (See operating expense instruction 1.)

912 Demonstrating and selling expenses (Major only).

This account shall include the cost of labor, materials used and expenses incurred in promotional, demonstrating, and selling activities, except by merchandising, the object of which is to promote or retain the use of utility services by present and prospective customers.

ITEMS

Labor:

1. Demonstrating uses of utility services.
2. Conducting cooking schools, preparing recipes, and related home service activities.
3. Exhibitions, displays, lectures, and other programs designed to promote use of utility services.
4. Experimental and development work in connection with new and improved appliances and equipment, prior to general public acceptance.
5. Solicitation of new customers or of additional business from old customers, including commissions paid employees.

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6. Engineering and technical advice to present or prospective customers in connection with promoting or retaining the use of utility services.
7. Special customer canvasses when their primary purpose is the retention of business or the promotion of new business.

Materials and Expenses:

8. Supplies and expenses pertaining to demonstration, and experimental and development activities.
9. Booth and temporary space rental.
10. Loss in value on equipment and appliances used for demonstration purposes.
11. Transportation, meals, and incidental expenses.

913 Advertising expenses (Major only).

This account shall include the cost of labor, materials used and expenses incurred in advertising designed to promote or retain the use of utility service, except advertising the sale of merchandise by the

utility.

ITEMS

Labor:

1. Direct supervision of department.
2. Preparing advertising material for newspapers, periodicals, billboards, etc., and preparing and conducting motion pictures, radio and television programs.
3. Preparing booklets, bulletins, etc., used in direct mail advertising.
4. Preparing window and other displays.
5. Clerical and stenographic work.
6. Investigating advertising agencies and media and conducting negotiations in connection with the placement and subject matter of sales advertising.

Materials and expenses:

7. Advertising in newspapers, periodicals, billboards, radio, etc., for sales promotion purposes, but not including institutional or goodwill advertising includible in account 930.1, General Advertising Expenses.
8. Materials and services given as prizes or otherwise in connection with civic lighting contests, canning, or cooking contests, bazaars, etc., in order to publicize and promote the use of utility services.
9. Fees and expenses of advertising agencies and commercial artists.
10. Novelties for general distribution.
11. Postage on direct mail advertising.
12. Premiums distributed generally, such as recipe books, etc., when not offered as inducement to purchase appliances.
13. Printing booklets, dodgers, bulletins, etc.
14. Supplies and expenses in preparing advertising material.
15. Office supplies and expenses.

Note A: The cost of advertisements which set forth the value or advantages of utility service without reference to specific appliances or, if reference is made to appliances invites the reader to purchase appliances from his dealer or refer to appliances not carried for sale by the utility, shall be considered sales promotion advertising and charged to this account. However, advertisements which are limited to specific makes of appliances sold by the utility and prices, terms,

etc., thereof, without referring to the value or advantages of utility service, shall be considered as merchandise advertising and the cost shall be charged to Costs and Expenses of Merchandising, Jobbing and Contract Work, Account 416.

Note B: Advertisements which substantially mention or refer to the value or advantages of utility service, together with specific reference to makes of appliances sold by the utility and the price, terms, etc., thereof and designed for the joint purpose of increasing the use of utility service and the sales of appliances, shall be considered as a combination advertisement and the costs shall be distributed between this account and Account 416 on the basis of space, time, or other proportional factors.

Note C: Exclude from this account and charge to Account 930.2, Miscellaneous General Expenses, the cost of publication of stockholder reports, dividend notices, bond redemption notices, financial statements, and other notices of a general corporate character. Exclude also all institutional or goodwill advertising. (See Account 930.1, General Advertising Expenses.)

916 Miscellaneous sales expenses (Major only).

This account shall include the cost of labor, materials used and expenses incurred in connection with sales activities, except merchandising, which are not includible in other sales expense accounts.

ITEMS

Labor:

1. General clerical and stenographic work not assigned to specific functions.
2. Special analysis of customer accounts and other statistical work for sales purposes not a part of the regular customer accounting and billing routine.
3. Miscellaneous labor.

Materials and Expenses:

4. Communication service.
5. Printing, postage, and office supplies and expenses applicable to sales activities, except those chargeable to account 913, Advertising

Expenses.

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917 Sales expenses (Nonmajor only).

This account shall include the cost of labor and expenses incurred for the purpose of promoting the sale of electricity, other than merchandising, jobbing or contract work activities.

ITEMS

1. Advertising.
2. Demonstrating uses of utility service.
3. Home service activities.
4. Solicitation of new business.

920 Administrative and general salaries.

A. This account shall include the compensation (salaries, bonuses, and other consideration for services, but not including directors' fees) of officers, executives, and other employees of the utility properly chargeable to utility operations and not chargeable directly to a particular operating function.

B. This account may be subdivided in accordance with a classification appropriate to the departmental or other functional organization of the utility.

921 Office supplies and expenses.

A. This account shall include office supplies and expenses incurred in connection with the general administration of the utility's operations which are assignable to specific administrative or general departments and are not specifically provided for in other accounts. This includes the expenses of the various administrative and general departments, the salaries and wages of which are includible in account 920.

B. This account may be subdivided in accordance with a classification appropriate to the departmental or other functional organization of the utility.

Note: Office expenses which are clearly applicable to any group of operating expenses other than the administrative and general group shall be included in the appropriate account in such group. Further, general expenses which apply to the utility as a whole rather than to a particular administrative function shall be included in account 930.2, Miscellaneous General Expenses.

ITEMS

1. Automobile service, including charges through clearing account.
2. Bank messenger and service charges.
3. Books, periodicals, bulletins and subscriptions to newspapers, newsletters, tax services, etc.
4. Building service expenses for customer accounts, sales, and administrative and general purposes.
5. Communication service expenses.
6. Cost of individual items of office equipment used by general departments which are of small value or short life.
7. Membership fees and dues in trade, technical, and professional associations paid by a utility for employees. (Company memberships are includible in account 930.2.)
8. Office supplies and expenses.
9. Payment of court costs, witness fees and other expenses of legal department.
10. Postage, printing and stationery.
11. Meals, traveling and incidental expenses.

922 Administrative expenses transferred--Credit.

This account shall be credited with administrative expenses recorded in accounts 920 and 921 which are transferred to construction costs or to nonutility accounts. (See electric plant instruction 4.)

923 Outside services employed.

A. This account shall include the fees and expenses of professional consultants and others for general services which are not applicable to a particular operating function or to other accounts. It shall include also the pay and expenses of persons engaged for a special or temporary administrative or general purpose in circumstances where the person so engaged is not considered as an employee of the utility.

B. This account shall be so maintained as to permit ready

summarization according to the nature of service and the person furnishing the same.

ITEMS

1. Fees, pay and expenses of accountants and auditors, actuaries, appraisers, attorneys, engineering consultants, management consultants, negotiators, public relations counsel, tax consultants, etc.
2. Supervision fees and expenses paid under contracts for general management services.

Note: Do not include inspection and brokerage fees and commissions chargeable to other accounts or fees and expenses in connection with security issues which are includible in the expenses of issuing securities.

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924 Property insurance.

A. This account shall include the cost of insurance or reserve accruals to protect the utility against losses and damages to owned or leased property used in its utility operations. It shall include also the cost of labor and related supplies and expenses incurred in property insurance activities.

B. Recoveries from insurance companies or others for property damages shall be credited to the account charged with the cost of the damage. If the damaged property has been retired, the credit shall be to the appropriate account for accumulated provision for depreciation.

C. Records shall be kept so as to show the amount of coverage for each class of insurance carried, the property covered, and the applicable premiums. Any dividends distributed by mutual insurance companies shall be credited to the accounts to which the insurance premiums were charged.

ITEMS

1. Premiums payable to insurance companies for fire, storm, burglary, boiler explosion, lightning, fidelity, riot, and similar insurance.
2. Amounts credited to account 228.1, Accumulated Provision for Property Insurance, for similar protection.
3. Special costs incurred in procuring insurance.

4. Insurance inspection service.
5. Insurance counsel, brokerage fees, and expenses.

Note A: The cost of insurance or reserve accruals capitalized shall be charged to construction either directly or by transfer to construction work orders from this account.

Note B: The cost of insurance or reserve accruals for the following classes of property shall be charged as indicated.

(1) Materials and supplies and stores equipment, to account 163, Stores Expense Undistributed (store expenses in the case of Nonmajor utilities), or appropriate materials account.

(2) For Major Utilities, transportation and other general equipment to appropriate clearing accounts that may be maintained. For Nonmajor utilities, transportation and garage equipment, to account 933, Transportation Expenses.

(3) Electric plant leased to others, to account 413, Expenses of Electric Plant Leased to Others.

(4) Nonutility property, to the appropriate nonutility income account.

(5) Merchandise and jobbing property, to Account 416, Costs and Expenses of Merchandising, Jobbing and Contract Work.

Note C (Major only): The cost of labor and related supplies and expenses of administrative and general employees who are only incidentally engaged in property insurance work may be included in accounts 920 and 921, as appropriate.

925 Injuries and damages.

A. This account shall include the cost of insurance or reserve accruals to protect the utility against injuries and damages claims of employees or others, losses of such character not covered by insurance, and expenses incurred in settlement of injuries and damages claims. For Major utilities, it shall also include the cost of labor and related supplies and expenses incurred in injuries and damages activities.

B. Reimbursements from insurance companies or others for expenses charged hereto on account of injuries and damages and insurance dividends or refunds shall be credited to this account.

ITEMS

1. Premiums payable to insurance companies for protection against claims from injuries and damages by employees or others, such as public liability, property damages, casualty, employee liability, etc., and amounts credited to account 228.2, Accumulated Provision for Injuries and Damages, for similar protection.

2. Losses not covered by insurance or reserve accruals on account of injuries or deaths to employees or others and damages to the property of others.

3. Fees and expenses of claim investigators.

4. Payment of awards to claimants for court costs and attorneys' services.

5. Medical and hospital service and expenses for employees as the result of occupational injuries, or resulting from claims of others.

6. Compensation payments under workmen's compensation laws.

7. Compensation paid while incapacitated as the result of occupational injuries. (See Note A.)

8. Cost of safety, accident prevention and similar educational activities.

Note A: Payments to or in behalf of employees for accident or death benefits, hospital expenses, medical supplies or for salaries while incapacitated for service or on leave of absence beyond periods normally allowed, when not the result of occupational

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injuries, shall be charged to account 926, Employee Pensions and Benefits. (See also Note B of account 926.)

Note B: The cost of injuries and damages or reserve accruals capitalized shall be charged to construction directly or by transfer to construction work orders from this account.

Note C: Exclude herefrom the time and expenses of employees (except those engaged in injuries and damages activities) spent in attendance at safety and accident prevention educational meetings, if occurring during the regular work period.

Note D: The cost of labor and related supplies and expenses of administrative and general employees who are only incidentally engaged in injuries and damages activities may be included in accounts 920 and 921, as appropriate.

926 Employee pensions and benefits.

A. This account shall include pensions paid to or on behalf of retired employees, or accruals to provide for pensions, or payments for the purchase of annuities for this purpose, when the utility has definitely, by contract, committed itself to a pension plan under which the pension funds are irrevocably devoted to pension purposes, and payments for employee accident, sickness, hospital, and death benefits, or insurance therefor. Include, also, expenses incurred in medical, educational or recreational activities for the benefit of employees, and administrative expenses in connection with employee pensions and benefits.

B. The utility shall maintain a complete record of accruals or payments for pensions and be prepared to furnish full information to the Commission of the plan under which it has created or proposes to create a pension fund and a copy of the declaration of trust or resolution under which the pension plan is established.

C. There shall be credited to this account the portion of pensions and benefits expenses which is applicable to nonutility operations or which is charged to construction unless such amounts are distributed directly to the accounts involved and are not included herein in the first instance.

D. For Major utilities, records in support of this account shall be so kept that the total pensions expense, the total benefits expense, the administrative expenses included herein, and the amounts of pensions and benefits expenses transferred to construction or other accounts will be readily available.

ITEMS

1. Payment of pensions under a nonaccrual or nonfunded basis.
2. Accruals for or payments to pension funds or to insurance companies for pension purposes.
3. Group and life insurance premiums (credit dividends received).
4. Payments for medical and hospital services and expenses of employees when not the result of occupational injuries.
5. Payments for accident, sickness, hospital, and death benefits or insurance.
6. Payments to employees incapacitated for service or on leave of absence beyond periods normally allowed, when not the result

of occupational injuries, or in excess of statutory awards.

7. Expenses in connection with educational and recreational activities for the benefit of employees.

Note A: The cost of labor and related supplies and expenses of administrative and general employees who are only incidentally engaged in employee pension and benefit activities may be included in accounts 920 and 921, as appropriate.

Note B: Salaries paid to employees during periods of nonoccupational sickness may be charged to the appropriate labor account rather than to employee benefits.

927 Franchise requirements.

A. This account shall include payments to municipal or other governmental authorities, and the cost of materials, supplies and services furnished such authorities without reimbursement in compliance with franchise, ordinance, or similar requirements; provided, however, that the utility may charge to this account at regular tariff rates, instead of cost, utility service furnished without charge under provisions of franchises.

B. When no direct outlay is involved, concurrent credit for such charges shall be made to account 929, Duplicate Charges--Credit.

C. The account shall be maintained so as to readily reflect the amounts of cash outlays, utility service supplied without charge, and other items furnished without charge.

Note A: Franchise taxes shall not be charged to this account but to account 408.1,

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Taxes Other Than Income Taxes, Utility Operating Income.

Note B: Any amount paid as initial consideration for a franchise running for more than one year shall be charged to account 302, Franchises and Consents.

928 Regulatory commission expenses.

A. This account shall include all expenses (except pay of regular

employees only incidentally engaged in such work) properly includible in utility operating expenses, incurred by the utility in connection with formal cases before regulatory commissions, or other regulatory bodies, or cases in which such a body is a party, including payments made to a regulatory commission for fees assessed against the utility for pay and expenses of such commission, its officers, agents, and employees, and also including payments made to the United States for the administration of the Federal Power Act.

B. Amounts of regulatory commission expenses which by approval or direction of the Commission are to be spread over future periods shall be charged to account 186, Miscellaneous Deferred Debits, and amortized by charges to this account.

C. The utility shall be prepared to show the cost of each formal case.

ITEMS

1. Salaries, fees, retainers, and expenses of counsel, solicitors, attorneys, accountants, engineers, clerks, attendants, witnesses, and others engaged in the prosecution of, or defense against petitions or complaints presented to regulatory bodies, or in the valuation of property owned or used by the utility in connection with such cases.

2. Office supplies and expenses, payments to public service or other regulatory commissions, stationery and printing, traveling expenses, and other expenses incurred directly in connection with formal cases before regulatory commissions.

Note A: Exclude from this account and include in other appropriate operating expense accounts, expenses incurred in the improvement of service, additional inspection, or rendering reports, which are made necessary by the rules and regulations, or orders, of regulatory bodies.

Note B: Do not include in this account amounts includible in account 302, Franchises and Consents, account 181, Unamortized Debt Expense, or account 214, Capital Stock Expense.

929 Duplicate charges--Credit.

This account shall include concurrent credits for charges which may be made to operating expenses or to other accounts for the use of utility service from its own supply. Include, also, offsetting credits for any other charges made to operating expenses for which there is no direct money outlay.

930.1 General advertising expenses.

This account shall include the cost of labor, materials used, and expenses incurred in advertising and related activities, the cost of which by their content and purpose are not provided for elsewhere.

ITEMS

Labor:

1. Supervision.
2. Preparing advertising material for newspapers, periodicals, billboards, etc., and preparing or conducting motion pictures, radio and television programs.
3. Preparing booklets, bulletins, etc., used in direct mail advertising.
4. Preparing window and other displays.
5. Clerical and stenographic work.
6. Investigating and employing advertising agencies, selecting media and conducting negotiations in connection with the placement and subject matter of advertising.

Materials and Expenses:

7. Advertising in newspapers, periodicals, billboards, radio, etc.
8. Advertising matter such as posters, bulletins, booklets, and related items.
9. Fees and expenses of advertising agencies and commercial artists.
10. Postage and direct mail advertising.
11. Printing of booklets, dodgers, bulletins, etc.
12. Supplies and expenses in preparing advertising materials.
13. Office supplies and expenses.

Note A: Properly includible in this account is the cost of advertising activities on a local or national basis of a good will or institutional nature, which is primarily designed to improve the image of the utility or the industry, including advertisements which inform the public concerning matters affecting the company's operations, such as, the cost of providing service, the company's efforts to improve the quality of service, the company's efforts to improve and protect the environment, etc. Entries relating to advertising included in this account shall contain or refer to supporting documents which identify the specific advertising message. If references are used, copies of the

advertising message shall be readily available.

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Note B: Exclude from this account and include in account 426.4, Expenditures for Certain Civic, Political and Related Activities, expenses for advertising activities, which are designed to solicit public support or the support of public officials in matters of a political nature.

930.2 Miscellaneous general expenses.

This account shall include the cost of labor and expenses incurred in connection with the general management of the utility not provided for elsewhere.

ITEMS

Labor:

1. Miscellaneous labor not elsewhere provided for.

Expenses:

2. Industry association dues for company memberships.
3. Contributions for conventions and meetings of the industry.
4. For Major utilities, research, development, and demonstration expenses not charged to other operation and maintenance expense accounts on a functional basis.
5. Communication service not chargeable to other accounts.
6. Trustee, registrar, and transfer agent fees and expenses.
7. Stockholders meeting expenses.
8. Dividend and other financial notices.
9. Printing and mailing dividend checks.
10. Directors' fees and expenses.
11. Publishing and distributing annual reports to stockholders.
12. Public notices of financial, operating and other data required by regulatory statutes, not including, however, notices required in connection with security issues or acquisitions of property. For Nonmajor utilities, transportation and garage equipment, to account 933, Transportation Expenses.

931 Rents.

This account shall include rents properly includible in utility operating expenses for the property of others used, occupied, or operated in connection with the customer accounts, customer service and informational, sales, and general and administrative functions of the utility. (See operating expense instruction 3.)

933 Transportation expenses (Nonmajor only).

A. This account shall include the cost of labor, materials used and expenses incurred in the operation and maintenance of general transportation equipment of the utility.

B. This account may be used as a clearing account in which event the charges hereto shall be cleared by apportionment to the appropriate operating expense, electric plant, or other accounts on a basis which will distribute the expenses equitably. Credits to this account shall be made in such detail as to permit ready analysis.

ITEMS

1. Supervision.
2. Building service.
3. Care of grounds, including snow removal, cutting grass, etc.
4. Utility services.
5. Depreciation of transportation equipment.
6. Fuel and lubricants for vehicles (including sales and excise taxes thereon).
7. Insurance on garage equipment and transportation equipment, including public liability and property damage.
8. Maintenance of transportation and garage equipment.
9. Compensation of drivers, mechanics, clerks, and other garage employees.
10. Rent of garage buildings and grounds, vehicles or equipment.
11. Replacement of tires, tubes, batteries, etc.
12. Direct taxes, licenses, and permits.
13. Miscellaneous garage supplies, tools, and equipment.
14. Miscellaneous office supplies and expenses, printing, and stationery.
15. Transportation, meals, and incidental expenses.

Note A: The pay of employees driving trucks or other transportation

equipment incidental to their regular occupation, shall not be included herein but charged directly to the appropriate expense or other account.

Note B: Transportation expenses applicable to construction shall not be included in operating expenses.

935 Maintenance of general plant.

A. This account shall include the cost assignable to customer accounts, sales and administrative and general functions of labor, materials used and expenses incurred in the maintenance of property, the book cost of which is includible in account 390, Structures and Improvements, account 391, Office Furniture and Equipment, account 397, Communication Equipment, and account 398 Miscellaneous Equipment. For Nonmajor utilities, include also

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other general equipment accounts (not including transportation equipment). (See operating expense instruction 2.)

B. Maintenance expenses on office furniture and equipment used elsewhere than in general, commercial and sales offices shall be charged to the following accounts:

Steam Power Generation, Account 514.

Nuclear Power Generation, Account 532 (Major only).

Hydraulic Power Generation, Account 545.

Other Power Generation, Account 554.

Transmission, Account 573.

Distribution, Account 598.

Merchandise and Jobbing, Account 416.

Garages, Shops, etc., Appropriate clearing account, if used.

Note: Maintenance of plant included in other general equipment accounts shall be included herein unless charged to clearing accounts or to the particular functional maintenance expense account indicated by the use of the equipment.

PART 104--[RESERVED]

Note: For the Uniform System of Accounts for all Public Utilities,

see part 101 of this subchapter.